

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : NEC CORP

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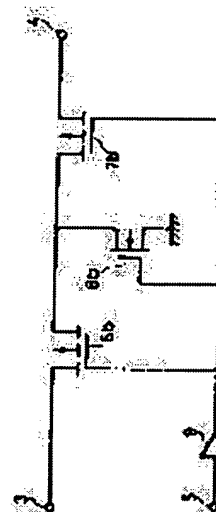
(54) CHANGEOVER SWITCH CIRCUIT

(57)Abstract:

PURPOSE: To prevent the operation of other changeover switch from being disabled even if one changeover switch of plural routes is faulty by constituting switch through the combination of an enhancement FET and a depletion FET.

CONSTITUTION: When a negative voltage is fed to a control terminal 5, depletion FETs 6b, 7b are turned on, an enhancement FET8b is turned off and a signal inputted to a input terminal 3 is outputted to an output terminal 4. When a positive voltage is impressed to the terminal 5 conversely, the FETs 6b, 7b are turned off, the FET8b is turned on and no input signal is outputted to the output terminal 4.

Since the FETs 6b, 7b are turned off at interruption, the impedance viewed from the terminals 3, 4 is high. Thus, in using the titled circuit as a switching circuit, since the effect on the other route is negligibly small, the switch of the active route has only to be energized by the power supply of the active route and the switch of the standby route has only to be energized by the power supply of the standby route.



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